

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A radio communications system comprising:
 - at least one base station; and
 - at least one wireless subscriber terminal which contains a transceiver in order to transmit and receive radio signals by at least two different radio transmission modes, and which contains a selector to select one of the at least two radio transmission modes at least prior to a subscriber connection being established with one of the at least one base stations,
- wherein the at least one base station also contains a transceiver in order to transmit and receive by various radio transmission modes, and
- wherein the at least one base station is connected to a control means which determines an availability value for each of the various radio transmission modes with the aid of preselected criteria, and controls the base station in order to transmit to the at least one wireless subscriber terminal, an identification code for at least the radio transmission mode which has the highest availability value,

wherein the control means creates a priority list for the at least one base station in which the identification codes for the radio transmission modes are listed in an order of precedence dependent on the size of respective availability values,

wherein the base station transmits the priority list to the wireless subscriber terminal,

wherein the wireless subscriber terminal receives the priority list and checks by means of the identification codes of the listed radio transmission modes whether at least one of the identification codes gives a radio transmission mode by which the transceiver of the subscriber terminal can transmit and receive radio signals,

wherein the wireless subscriber terminal transmits to the base station, the identification codes for all the radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals, and

wherein the control means for the base station then creates the priority list by means of the identification codes transmitted by the subscriber terminal, the identification codes being listed in the priority list in an order of precedence dependent on the size of respective availability values.

2. (previously presented) The radio communications system according to claim 1, wherein the preselected criteria are radio resources instantaneously available in the radio system, and wherein by monitoring the radio resources available at each base station connected to the

control means, the control means assigns the highest availability value to the radio transmission mode which instantaneously has the most radio resources.

3. (previously presented) The radio communications system according to claim 1, wherein the various radio transmission modes comprise standardized methods of radio transmission, in particular various versions of standardized methods of radio transmission, and wherein the transceiver of the at least one base station and of the at least one wireless subscriber terminal can transmit and receive radio signals in accordance with the standardized methods of radio transmission.

Claim 4 (canceled)

5. (currently amended) The radio communications system according to claim ~~4~~1, wherein, in the event that at least two identification codes give radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals, the wireless subscriber terminal selects the radio transmission mode which has the highest availability value.

Claim 6 (canceled).

7. (currently amended) The radio communications system according to claim 61, wherein the wireless subscriber terminal lists the identification codes for the radio transmission modes in accordance with a preselected order of precedence to form a wish list and transmits this wish list to the base station, and

wherein the control means for the base station then creates the priority list by means of the transmitted wish list, the identification codes being listed in the priority list with the same availability values in order of precedence of the radio transmission modes within the wish list.

8. (previously presented) The radio communications system according to claim 7, wherein the wireless subscriber terminal contains input means by which the subscriber preselects the order of precedence of the radio transmission modes listed in the wish list.

9. (previously presented) The radio communications system according to claim 7, wherein the wireless subscriber terminal contains a computer which preselects the order of precedence of the radio transmission modes listed in the wish list by means of the telecommunications service desired by the subscriber.

10. (currently amended) A wireless subscriber terminal in a radio communications system which contains at least one base station, comprising:

a transceiver in order to transmit and receive, radio signals by at least two different radio transmission modes, and which contains a selector in order to select one of the various radio transmission modes at least prior to a subscriber connection being established with one of the at least one base stations,

wherein the wireless subscriber terminal receives identification codes from the at least one base station, the at least one base station containing a transceiver, in order to transmit and receive by various radio transmission modes, the at least one base station connected to a control means which determines an availability value for each of the various radio transmission modes with the aid of preselected criteria and controls the at least one base station to transmit to the wireless subscriber terminal, the identification code at least for the radio transmission mode which has the highest availability value,

wherein the control means creates a priority list for the at least one base station in which the identification codes for the radio transmission modes are listed in an order of precedence dependent on a size of respective availability values,

wherein the base station transmits the priority list to the wireless subscriber terminal,

wherein the wireless subscriber terminal receives the priority list and checks by means of the identification codes of the listed radio transmission modes whether at least one of the

identification codes gives a radio transmission mode by which the transceiver of the subscriber terminal can transmit and receive radio signals,

wherein the wireless subscriber terminal transmits to the base station, the identification codes for all the radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals, and

wherein the control means for the base station then creates the priority list by means of the identification codes transmitted by the subscriber terminal, the identification codes being listed in the priority list in an order of precedence dependent on the size of respective availability values.

11. (currently amended) A base station for a radio communications system comprising:

at least one wireless subscriber terminal which contains a transceiver, in order to transmit and receive radio signals by at least two different radio transmission modes, and which contains a selector in order to select one of the various radio transmission modes at least prior to a subscriber connection being established with the base station,

wherein the base station contains a transceiver in order to transmit and receive by various radio transmission modes, and

wherein the base station is connected to a control means which determines an availability value for each of the various radio transmission modes with the aid of preselected criteria in order to control the base station so the base station transmits, to the wireless subscriber terminal, an identification code at least for the radio transmission mode which has the highest availability value,

wherein the control means creates a priority list for the base station in which identification codes for the radio transmission modes are listed in an order of precedence dependent on a size of respective availability values,

wherein the base station transmits the priority list to the wireless subscriber terminal,

wherein the wireless subscriber terminal receives the priority list and checks by means of the identification codes of the listed radio transmission modes whether at least one of the identification codes gives a radio transmission mode by which the transceiver of the subscriber terminal can transmit and receive radio signals,

wherein the wireless subscriber terminal transmits to the base station; the identification codes for all the radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals, and

wherein the control means for the base station then creates the priority list by means of the identification codes transmitted by the subscriber terminal, the identification codes being listed in the priority list in an order of precedence dependent on the size of respective availability values.

12. (currently amended) A control means for at least one base station in a radio communications system with at least one wireless subscriber terminal which contains a transceiver in order to transmit and receive radio signals by at least two different radio transmission modes and which contains a selector in order to select one of the various radio transmission modes at least prior to a subscriber connection being established with one of the at least one base stations,

wherein the at least one base station contains a transceiver in order to transmit and receive by various radio transmission modes, and

wherein the control means determines an availability value for each of the various radio transmission modes with the aid of preselected criteria and controls the base station to transmit to the wireless subscriber terminal, an identification code at least for the radio transmission mode which has the highest availability value,

wherein the control means creates a priority list for the at least one base station in which identification codes for the radio transmission modes are listed in an order of precedence dependent on a size of respective availability values,

wherein the base station transmits the priority list to the wireless subscriber terminal,

wherein the wireless subscriber terminal receives the priority list and checks by means of the identification codes of the listed radio transmission modes whether at least one of the

identification codes gives a radio transmission mode by which the transceiver of the subscriber terminal can transmit and receive radio signals,

wherein the wireless subscriber terminal transmits to the base station, the identification codes for all the radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals, and

wherein the control means for the base station then creates the priority list by means of the identification codes transmitted by the subscriber terminal, the identification codes being listed in the priority list in an order of precedence dependent on the size of respective availability values.

13. (currently amended) A method of radio transmission in a radio communications system in which radio signals are transmitted and received by a wireless subscriber terminal by at least two different radio transmission modes and in which one of the various radio transmission modes is selected by the subscriber terminal at least prior to a subscriber connection being established with a base station, comprising:

transmitting and receiving radio signals by various radio transmission modes, by the base station,

determining an availability value for each of the various radio transmission modes by a control means connected to the base station with the aid of preselected criteria; and

controlling the base station to transmit to the wireless subscriber terminal, an identification code at least for the radio transmission mode which has the highest availability value,

wherein a priority list is created for the base station in which the identification codes for the radio transmission modes are listed in an order or precedence dependent on the size of respective availability values,

wherein the priority list is transmitted by the base station to the wireless subscriber terminal,

wherein the priority list is received by the wireless subscriber terminal and is checked by means of the identification codes of the radio transmission modes listed to determine whether at least one of the identification codes gives a radio transmission mode by which the transceiver of the subscriber terminal can transmit and receive radio signals,

wherein the identification codes for all the radio transmission modes by which the transceiver of the subscriber terminal can transmit and receive radio signals are transmitted to the base station from the wireless subscriber terminal, and

wherein the priority list is created for the base station by means of the identification codes transmitted by the subscriber terminal, such that the identification codes are listed in the priority list in an order of precedence dependent on the size of respective availability values.

Claims 14 and 15 (canceled).

16. (currently amended) The method of radio transmission according to claim ~~14~~13,
wherein the priority list is transmitted to the wireless subscriber terminal prior to the subscriber
connection being established.